

83.0 Checking Oil Level in Refrigerant Compressor

M 116 and 117

Frigidaire Compressor

Oil Type

Refrigeration oil (for approved types of refrigeration oil refer to pertinent instructions on page No. 361)

Special Tool

Wrench 7/16" or 11 mm for oil check plug

conventional

Tightening Torque in kpm

Oil check plug

1.5 – 1.7

Instructions

All compressors are supplied by the manufacturers **with a charge of approx. 0.3 liters refrigeration oil.**

Under normal conditions the oil should neither be changed nor topped up. **Never use machine or engine oil.**

Check oil level before the system is first put into use, after parts have been replaced, before adding a complete charge of refrigerant, and when a refrigerant or oil loss has occurred. Since a certain amount of the oil is absorbed by the refrigerant and therefore flows through the system, an oil loss can also occur as the result of a loss of refrigerant.

In models with Frigidaire compressor an oil level check is only possible with the compressor removed from the car; it is only necessary when the system is completely drained. For details concerning removal and installation of compressors refer to Job No. 83.1–515.

To check oil level, remove oil plug (3) and drain compressor completely of refrigeration oil. Then add 0.2 liters of refrigeration oil, replace plug and tighten. If the system was flushed with refrigerant R 11, add 0.3 liters of refrigeration oil (Fig. 1). Then check compressor for leaks. For details refer to Job No. 83.0–900.

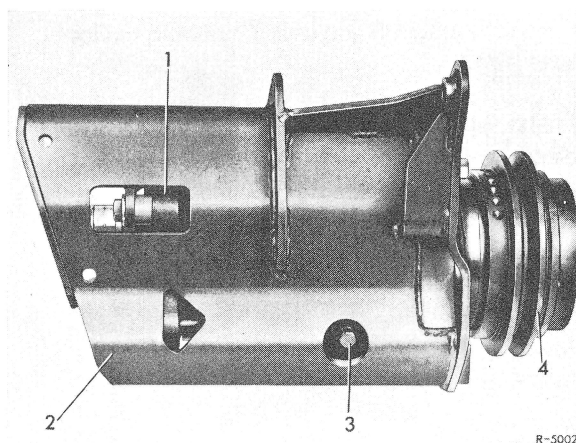


Figure 1

Frigidaire compressor with bracket

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|--------------------------|--------------------------|
| 1 Refrigerant compressor | 3 Oil check plug |
| 2 Bracket | 4 Electromagnetic clutch |